

GeoNetwork as Portal backend

Recent developments around INSPIRE portal

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MIG-T

GeoNetwork Intro

The screenshot displays the 'My GeoNetwork catalogue' interface. At the top, there is a navigation bar with the logo, 'My GeoNetwork catalogue', a search icon, 'Zoeken', a map icon, 'Kaart', a login icon, 'Inloggen', and a language dropdown set to 'Nederlands'. Below this is a large search bar containing the text 'Zoeken' and a search icon. Underneath the search bar, it states 'Vind 4182 datasets, services en kaarten, ...'. The main content area is divided into two sections: 'Blader per Onderwerpen' (Browse by Topics) and 'Blader door bronnen' (Browse by Sources). The 'Blader per Onderwerpen' section features a grid of topic buttons with their respective counts: 'natuur en milieu' (653), 'binnenwater' (209), 'hoogte' (169), 'klimatologie, meteorolo...' (130), 'planning kadaster' (296), 'transport' (206), 'gezondheid' (157), and 'landbouw en veeteelt' (122). The 'Blader door bronnen' section features a grid of source buttons with their respective counts: 'dataset' (2538), 'service' (1606), 'service-view' (876), and 'service-download' (684).

My GeoNetwork catalogue Zoeken Kaart Inloggen Nederlands ▾

Zoeken

Vind **4182** datasets, services en kaarten, ...

Blader per Onderwerpen

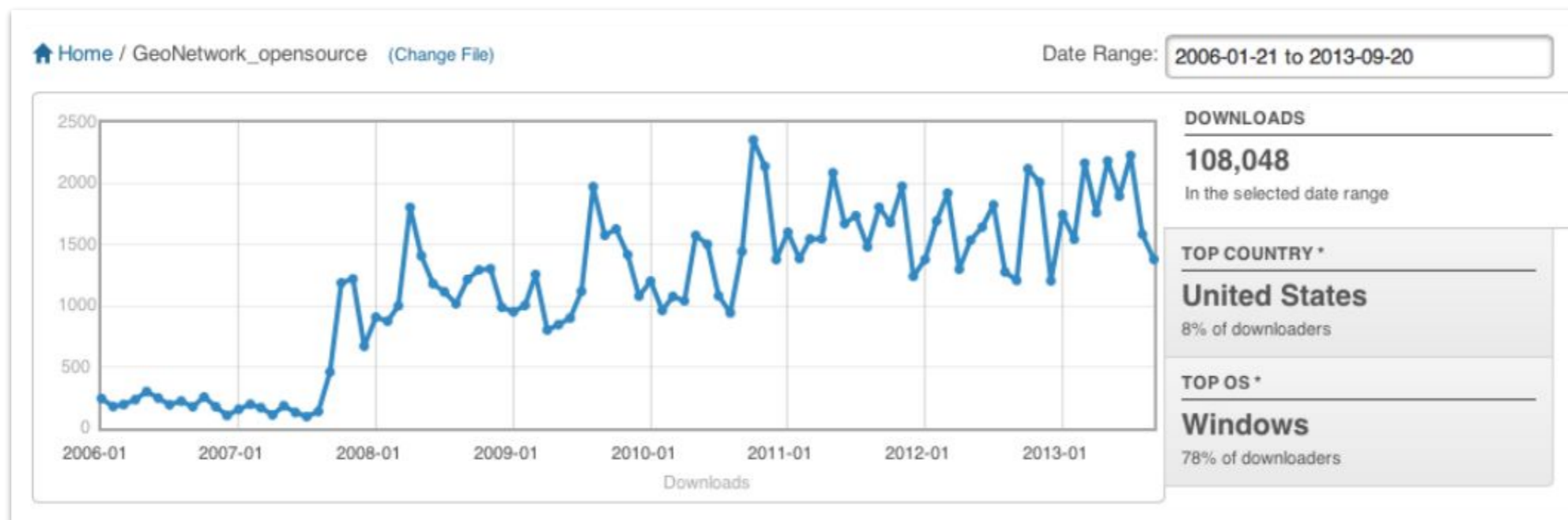
- natuur en milieu **653**
- binnenwater **209**
- hoogte **169**
- klimatologie, meteorolo... **130**
- planning kadaster **296**
- transport **206**
- gezondheid **157**
- landbouw en veeteelt **122**

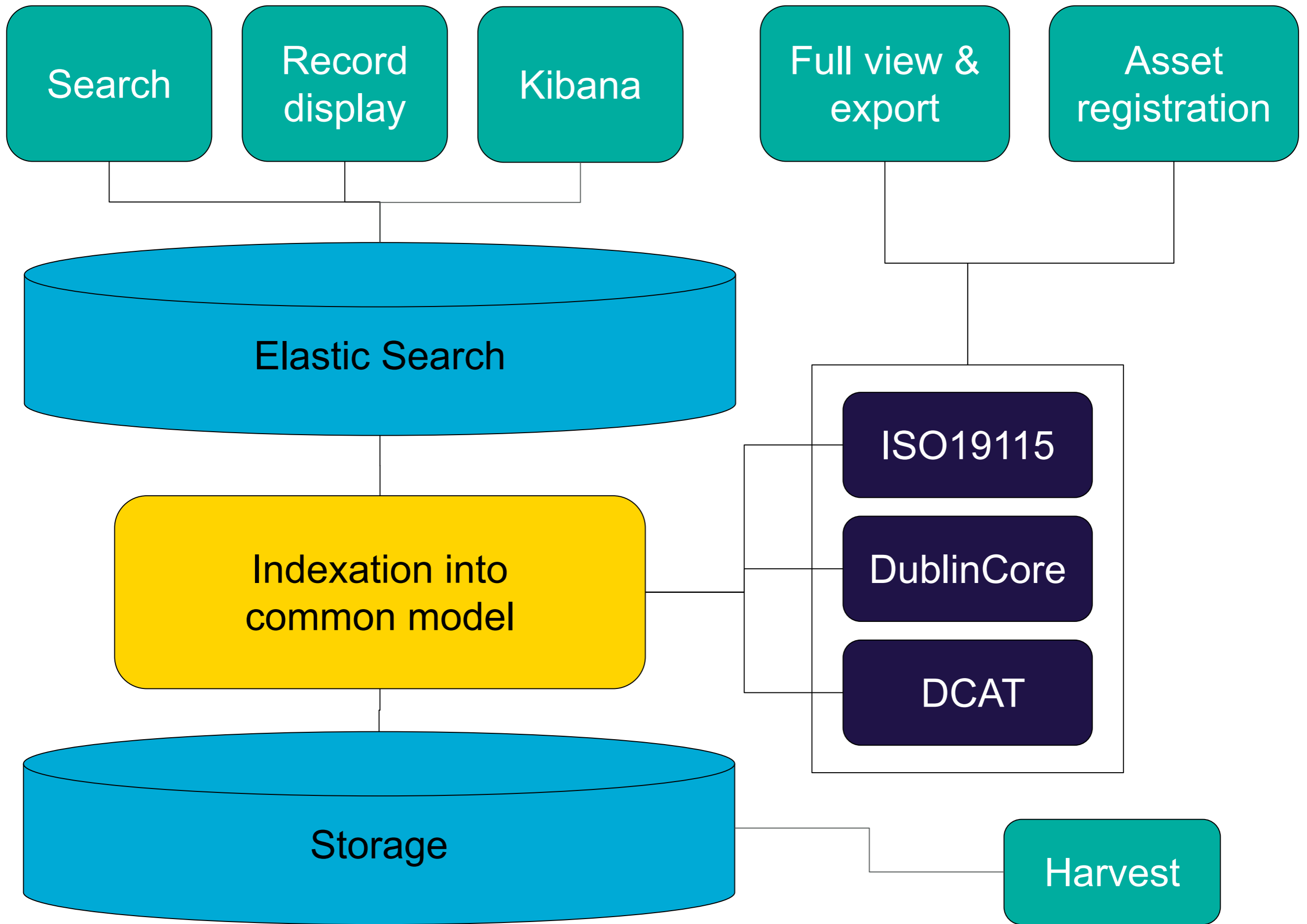
Blader door bronnen

- dataset **2538**
- service **1606**
- service-view **876**
- service-download **684**

The project

- Started in 2000 at FAO (UN)
- Opensource with active community (github/OSGeo)
- 800+ on English mailing list (200 on French and 200 on Spanish)







Global search on data, maps and indicators

Content type

- Article
- Data
- Graph
- Indicator
- Interactive data
- Interactive map
- Map
- News
- Publication
- Video File

Filter by publishing date

Start date

End date

Topics

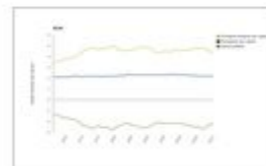
- All (5998)
- Agriculture (195)
- Air pollution (908)
- Biodiversity (703)

Free text search

Search

 all items
 in current results

1 2 3 4 5 6 7 ... 300

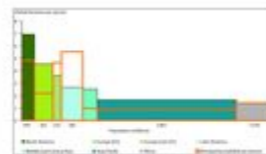
[next 20 items »](#)


Ecological footprint of European countries (SEBI 023) - Assessment published Mar 2015

31 Mar 2015

The total ecological footprint for the EU-28 countries increased rapidly during the 1960s and 70s, and has remained relatively constant since the 1980s. The region's total biocapacity, however, has changed very little since 1961. The picture is similar for the EEA-33 countries. The pan-European ecological footprint has been increasing almost constantly since 1961, while biocapacity (1) has

decreased. This results in an ever larger deficit, with negative consequences for the environment within and outside Europe. (1) The capacity of ecosystems to produce useful biological materials and to absorb waste materials generated by humans, using current management schemes and extraction technologies.

[Read more](#)


Ecological footprint variation per region

31 Mar 2015

Total ecological footprint is represented by the colored areas (as the product of per person footprint and population size); total biocapacity is represented by the areas within orange lines. As of 2010, the EU-28 had approximately 503 million citizens, and a biocapacity of 2.2 global

hectares per capita.

[Read more](#)

Nationaal georegister

Zoek in 7362 datasets, services en kaarten

Welk onderwerp?

Zoeken

Op welke locatie?



Zoeken

Bekijk één van de categorieën

 natuur en milieu (2356)


 maatschappij (709)

 planning kadaster (543)

 economie (288)

 locatie (940)

 binnenwater (620)

 (civiele) structuren (367)

 referentie materiaal aardbedekking (264)

 transport (855)

 grenzen (565)

 geo wetenschappelijke data (335)

 hoogte (254)

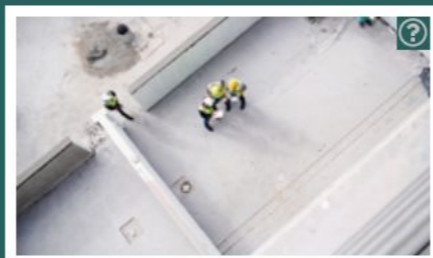
GODA EXEMPEL PÅ ANVÄNDNING AV GEODATA



Säkrare farleder



Upplyst samhälle



Planerings- och bygglovsprocess



Säkrare samhällsplanering



Riskkartering av utsläpp

🔍 VISA ENBART:

DATASET

📖 KARTTJÄNSTER

🕒 NEDLADDNINGSBART

★ FAVORITER

🏠 ÅTERSTÄLL

ADMINISTRATIVA GRÄNSER

AREALTÄCKANDE BILDER OCH
BAKGRUNDSKARTOR

AREELLA NÄRINGAR

ATMOSFÄR, KLIMATOLOGI OCH METEOROLOGI

BIOLOGI OCH EKOLOGI

BYGGNADER OCH BYGGNADSANLÄGGNINGAR

EKONOMI

FASTIGHETER OCH FYSISK PLANERING

FÖRSVAR

GEOVETENSKAP

HÄLSA

HÖJDDATA

KUST OCH HAV

MILJÖ

POSITIONERING

SAMHÄLLE OCH KU

SJÖAR OCH VATTEN

TEKNISKA FÖRSÖR.

TRANSPORTER

VISAR 768 RESULTAT

DATASET ✕

🔍 FRITEXTSÖK

Search metadata ...



geodata-info



Biodiversity and Management Areas



Earth Science



Elevation, Orthoimagery, Reference
Systems, Geographical Grids



Environmental Monitoring and
Observations



Facilities, Utilities and Public Services



Land Cover and Land Use

Shared Effort

Evaluate various components in GeoNetwork with latest TG's

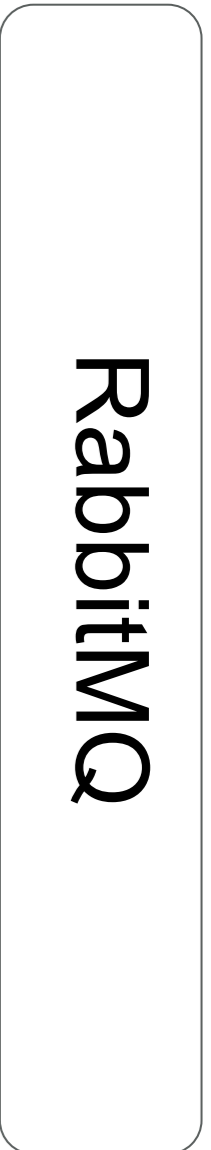
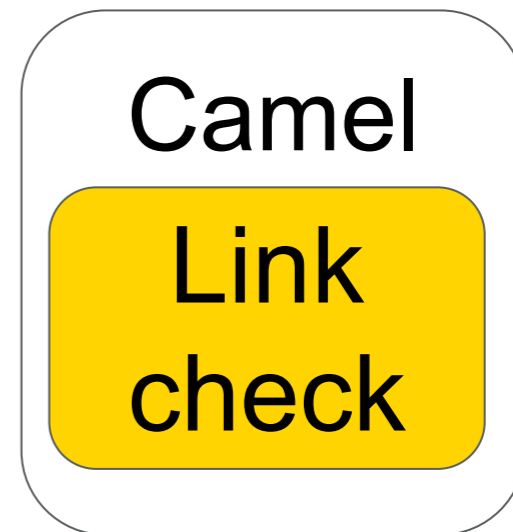
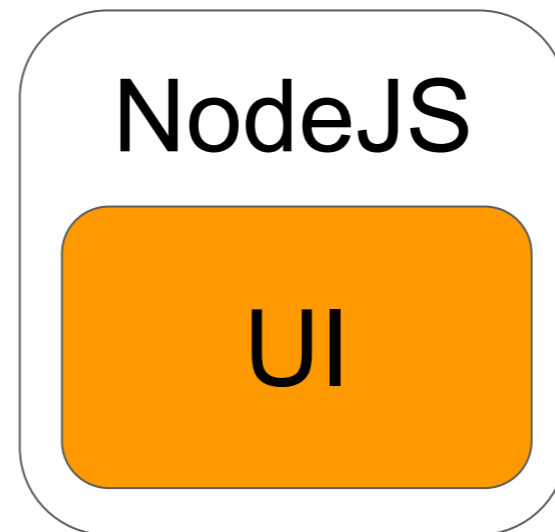
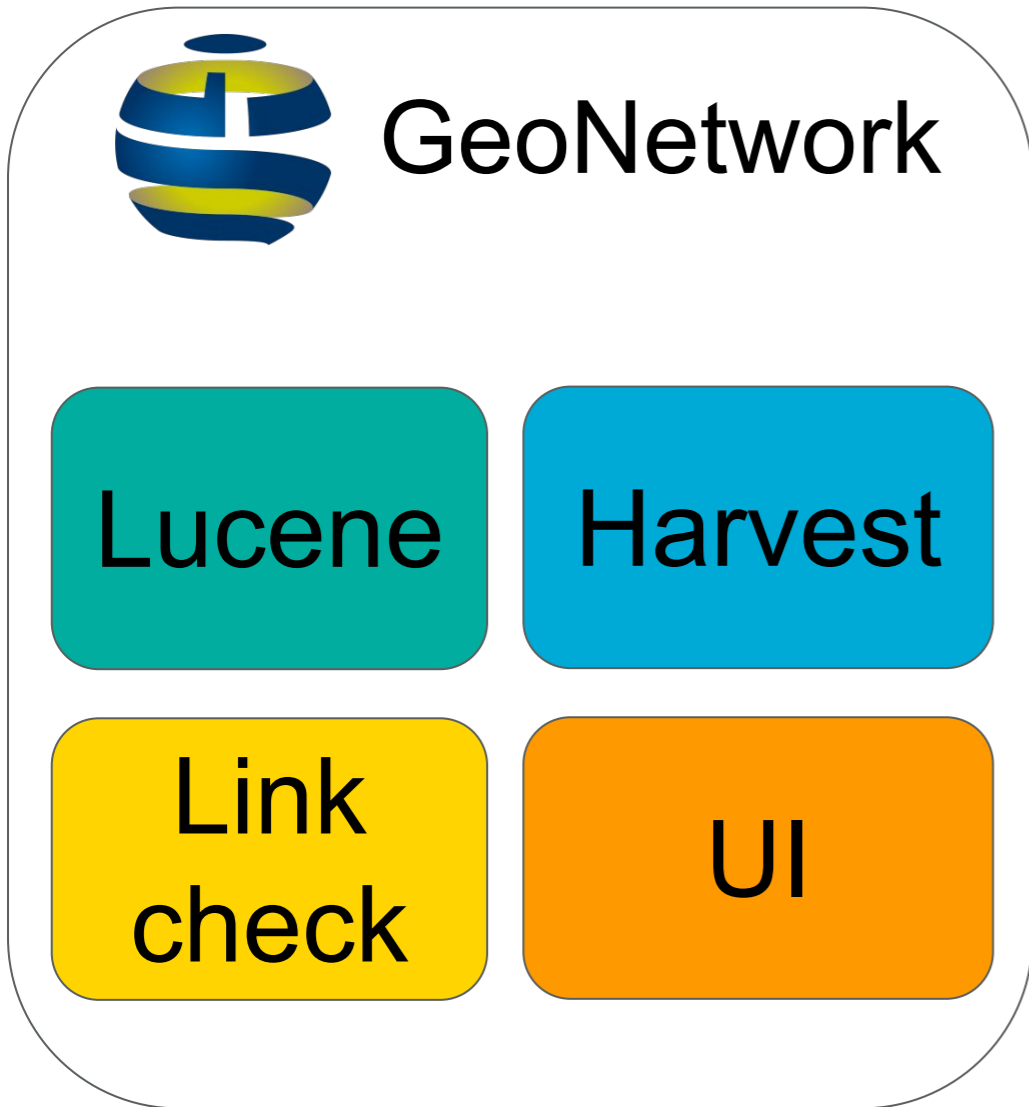
Looking forward to adopt OGC API, DCAT, high value datasets and other initiatives

Adopt microservices

Link checker

Adopt Microservices

Leverage the aspect of "doubts remain about the performance in managing big catalogues"



Harvest service

- Implemented in Apache Camel
- Extracts CSW records paginated
- Configurable number of retries
- Full harvest history in database
- Identification by document hash (incremental)
- Supports federated catalogues

Ingestor service

- Implemented in Apache Camel
- Parses document and places in search index
- Speed improvements

Link check service

- Validates resourcelocator
- Facilitate interaction with data from portal UI
- Monitoring indicators

- Detect service type (wms, wfs, atom, ...)
- Validate if it has access to data
- Validate if linkage between/to metadata is available
- Supports linkage simplification

Other improvements

EU Login

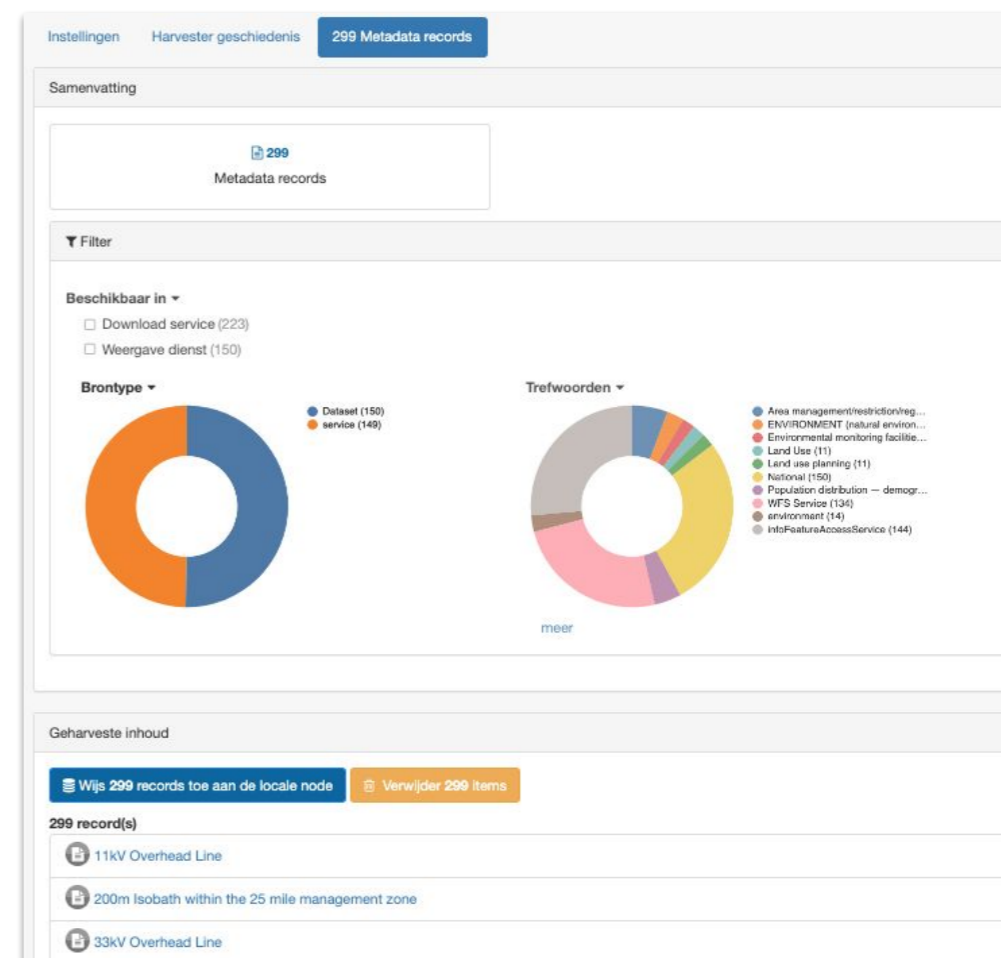
- Authenticate in GeoNetwork with EU Login

Harvest dashboard UI

Improve status messages
current running harvesters

Option to publish a set of
records from sandbox

Improved Filters



The screenshot shows the 'Search filter' interface. It includes a blue instruction box: 'Optionally use one or more search criteria below to restrict the records to harvest. For the 'like' operator use '%' for wildCard, '_' for single char and '\' for escape char.' Below this are three filter rows, each with a dropdown menu, a 'Subject' dropdown, an operator dropdown, and a value dropdown. The operator dropdown for the third row is open, showing options: 'EQUAL' (checked), 'NOT EQUAL', 'LIKE', and 'NOT LIKE'. There is also an '+ Add Filter' button at the bottom left.